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Substitute for form 1449

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Attorney Docket Number	71626 US03		
First Named Inventor	Shelton et al.		
COMPLETE IF KNOWN			
Application Number	10/796,235		
Filing Date	March 09, 2004		
Group Art Unit			
Sheet	1	of	4
	Examiner Name		

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
SH		1,652,573		Mallabar	12-13-1927
		1,683,347		Gray et al.	09-04-1928
		1,878,954		Malm	09-20-1932
		2,129,052		Fordyce	09-06-1938
		2,801,239		Hiatt et al.	07-30-1957
		3,386,932		Steinmann	06-04-1968
		3,391,135		Ouno et al.	07-02-1968
		3,518,249		Hiatt et al.	06-30-1970
		4,415,734		Yabune et al.	11-15-1983
		4,532,177		Mahar	07-30-1985
		4,543,409		Diamantoglou et al.	09-24-1985
		4,551,492		Aerts	11-05-1985
		4,983,730		Domeshek et al.	01-08-1991
		5,449,555		Karstens et al.	09-12-1995
		5,478,386		Itoh et al.	12-26-1995
		5,480,922		Mülhaupt et al.	01-02-1996
		5,663,310		Shimoda et al.	09-02-1997
		5,705,632		Shimoda et al.	01-06-1998
		5,720,803		Itoh et al.	02-24-1998
		5,856,468		Shuto et al.	01-05-1999
SH		5,914,309		Ulbl et al.	06-22-1999
SH		5,919,920		Murakami et al.	07-06-1999

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author(s) in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, pages(s), volume-issue number(s), publisher, city and/or country where published.			
SH		Kirk-Othmer, Encyclopedia of Chemical Technology, Fourth Ed., vol. 5, pp. 496-529, 509 (1993), John Wiley & Sons, New York, New York			
		Nishimura, T.; Nakatsubo, F. "Chemical Synthesis of Cellulose Derivatives by a Convergent Synthetic Method and Several of Their Properties," <i>Cellulose</i> , 1997, 4, 109			
		Kawada, T.; Nakatsubo, F.; Murakami, K.; Sakuno, T. "Synthetic Studies of Cellulose IX: Reactivity and Cleavage of Three Kinds of Protective Groups of Synthesized Cellooligosaccharide Derivatives," <i>Mokuzai Gakkaishi</i> , 1991, 37 (10), 930			
		Kawada, T.; Nakatsubo, F.; Umezawa, T.; Murakami, K.; Sakuno, T. "Synthetic Studies of Cellulose XII: First Chemical Synthesis of Cellooctaose Acetate," <i>Mokuzai Gakkaishi</i> , 1994, 40 (7), 738			
		"Characterization of Cellulose Esters by Solution-State and Solid-State Nuclear Magnetic Resonance Spectroscopy," Editors: T. J. Heinze and W. G. Glasser, Chapter 10 in the ACS Symposium Series 688 :Cellulose Derivatives - Modification, Characterization, and Nanostructures," Douglas W. Lowman, 131-162 (1998)			
		Miyamoto, T.; Sato, Y.; Shibata, T.; Inagaki, H.; Tanahashi, M; <i>J. Polym. Sci., Polym. Chem. Ed.</i> , 1984, 22, 2363			
		Buchanan, C. M.; Hyatt, J. A.; Kelley, S. S.; Little, J. L.; <i>Macromolecules</i> , 1990, 23, 3747			
↓		Dickey, E. E.; Wolfrom, J. L., "A Polymer-Homologous Series of Sugar Acetates from the Acetolysis of Cellulose," <i>J. Am. Chem. Soc.</i> , 1949, 825			
SH		Wolfrom, M. L.; Dacons, J. C., "The Polymer-Homologous Series of Oligosaccharides from Cellulose," <i>J. Am. Chem. Soc.</i> , 1952, 5331			

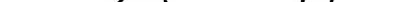
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Examiner Signature		Date Considered	5/8/2007.
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Application Number				10/796,235	
Filing Date				March 09, 2004	
Group Art Unit				1761	
Sheet	1	of	6	Examiner Name	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
/SH/		3,411,941		Lowe, et al.	11-19-1968
		4,595,722		Such	06-17-1986
		4,598,015		Panush	07-01-1986
		4,598,020		Panush	07-01-1986
		4,605,687		Panush	08-12-1986
		4,692,481		Kelly	09-08-1987
		4,707,381		Toyama et al.	11-17-1987
		4,714,634		Miyazona et al.	12-22-1987
		4,725,640		Cowles	02-16-1988
		4,732,790		Blackburn et al	03-22-1988
		4,732,791		Blackburn et al	03-22-1988
		4,740,541		Morse	04-26-1988
		4,753,829		Panush	06-28-1988
		4,755,581		Blackburn et al.	07-05-1988
		4,755,582		Blackburn et al.	07-05-1988
		4,829,108		Okuda et al	05-09-1989
		4,855,184		Klun et al.	08-08-1989
		4,859,758		Shalati et al.	08-22-1989
		4,888,372		Abrams et al.	12-19-1989
		4,902,578		Kerr, III	02-20-1990
↓		5,051,473		Tabuchi et al.	09-24-1991
/SH/		5,086,144		Shalati et al.	02-04-1992

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				Group Art Unit	1761		
Sheet	2	of	6	Examiner Name			

/SH/		5,089,313		Cope	02-18-1992
		5,091,010		Souma et al	02-25-1992
		5,256,453		Heithorn et al.	10-26-1993
		5,260,358		Shimuzu et al.	11-09-1993
		5,283,126		Rasmussen et al.	02-01-1994
		5,322,560		DePué et al.	06-21-1994
		5,360,644		Briggs et al.	11-01-1994
		5,372,638		DePue et al.	12-13-1994
		5,384,163		Budde et al.	01-24-1995
		5,389,139		Carpenter et al.	02-14-1995
		5,418,293		Numa et al.	05-23-1995
		5,425,969		Wakabayashi et al.	06-20-1995
		5,473,032		Bederke et al.	12-05-1995
		5,498,781		Hall et al.	03-12-1996
		5,504,178		Shaffer et al.	04-02-1996
		5,510,443		Shaffer et al.	04-23-1996
		5,520,963		Liu	05-28-1996
		5,527,848		Carpenter et al.	06-18-1996
		5,545,677		Hall et al.	08-13-1996
		5,552,458		Hall et al.	09-03-1996
		5,580,819		Li et al.	12-03-1996
		5,585,186		Scholz et al.	12-17-1996
		5,624,757		Smith	04-29-1997
↓		5,658,976		Carpenter et al.	08-19-1997
/SH/		5,670,141		Nebra	09-23-1997

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		Application Number		10/796,235	
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Sheet	3	of	6	Examiner Name	

/SH/		5,721,015		Iwamura et al.	02-24-1998
		5,744,243		Li et al.	04-28-1998
		5,753,373		Scholz et al.	05-19-1998
		5,821,315		Moriya et al.	10-13-1998
		5,873,931		Scholz et al.	02-23-1999
		5,914,397		Kiyose et al.	06-22-1999
		5,942,030		Schuhmacher et al.	08-24-1999
		5,997,621		Scholz et al.	12-07-1999
		5,998,035		Iwamura et al.	12-07-1999
		6,001,484		Horrion et al.	12-14-1999
		6,025,433		Shibatoh et al.	02-15-2000
		6,040,053		Scholz et al.	03-21-2000
		6,046,259		Das et al.	04-04-2000
		6,051,242		Patel et al.	04-18-2000
		6,225,404		Sorenson et al.	05-01-2001
		6,228,433		Witt	05-08-2001
		6,261,642		Nagai et al.	07-17-2001
		6,331,326		Tsunoda et al.	12-18-2001
		6,355,303		Vogt-Birnbrich et al.	03-12-2002
		6,403,152		Puligadda et al.	06-11-2002
		6,407,151		Lutz et al.	06-18-2002
		6,509,440		Sakane et al.	01-21-2003
↓		6,544,593		Nagata et al.	04-08-2003
		6,592,944		Uhlianuk et al.	07-15-2003
/SH/		6,596,069		Ido et al.	07-22-2003

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/SH/		6,607,833		Uhlianuk et al.	08-19-2003
		6,632,852		Chen et al.	10-14-2003
		6,635,314		William et al.	10-21-2003
		6,653,411		Puligadda et al.	11-25-2003
		6,689,839		Hayakawa et al.	02-10-2004
		6,696,142		Baer et al.	02-24-2004
		6,758,992		Solomon et al.	07-06-2004
		6,861,495		Barsotti et al.	03-01-2005
		6,870,024		Haubennestel et al.	03-22-2005
		6,903,145		Nienhaus et al.	06-07-2005
		6,913,831		Suzuki	07-05-2005
		6,987,144		Anderson et al.	01-17-2006
		6,997,980		Wegner et al.	02-14-2006
		7,001,948		Gupta et al.	02-21-2006
		7,026,470		Obie	04-11-2006
		2004/0058083		Lettmann et al.	03-25-2004
		2004/0101629		Baumgart et al.	05-27-2004
		2004/0185269		Loper et al.	09-23-2004
		2005/0031873		Berschel et al.	02-10-2005
		2005/0100740		Lin et al.	05-12-2005
		2005/0123781		Drescher et al.	06-09-2005
		2005/0186349		Loper et al.	08-25-2005
		2005/0227162		Van Rooyen	10-13-2005
↓		60/810,923		Bhattacharya et al.	06-05-2006
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/SH/		60/845,288		Bhattacharya et al.	09-18-2006
/SH/		60/845,374		Bhattacharya et al.	09-18-2006

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/SH/		EP	0 455 211	B2	Herberts Gesellschaft	04-05-1995
		EP	0 803 552	B2	Eckart-Werke Standard et al	05-10-2000
		EP	0 515 208	A3	Nisshinbo Industries, Inc.	11-25-1992
		EP	0 267 409	B1	Mazzucchelli Celluloide S.P.A.	05-18-1988
		EP	0 547 614	A3	Isamu Paint Co., Ltd.	06-23-1993
		EP	1 574 554	A3	Nippon Paint Co., Ltd.	09-14-2005
		EP	0 289 997	A2	Herberts & Co. GmbH	11-09-1988
↓		WO	99/59753		Hoganas AB	11-25-1999
/SH/		WO	04/83253		Eastman Chemical Company	09-30-2004

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS							
Examiner Initials*	Cite No. ¹	Include name of the author(in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, pages(s), volume-issue number(s), publisher, city and/or country where published.					T ⁶
/SH/		Malm, Carl J.; Fordyce, Charles R.; Tanner, Howard A. "Properties of Cellulose Esters of Acetic, Propionic, and Butyric Acids," <i>Ind. Eng. Chem.</i> , 1942, 34(4), 430					
/SH/		Abatzoglou, N.; Chornet, E. "Acid Hydrolysis of Hemicelluloses and Cellulose: Theory and Applications," in <i>Polysaccharides: Structural Diversity and Functional Versatility</i> , ed. S. Dumitriu, Marcel Dekker, Inc., New York, 1998					

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/SH/		International Search Report and Written Opinion of the International Searching Authority for PCT Application PCT/US2006/015573	
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		Office ³	Number ⁴	Kind Code ⁵ (if known)			
SH		WO	96/20064 95/20961		Eastman Chemical Company	07-11-1996	
SH		GB	1 122 006		Shinetsu Chem Ind Co.	07-31-1968	
SH		WO	01/35719		Eastman Chemical Company	05-25-2001	

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